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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

355 Lexington Avenue
New York, New York 10017
(212) 503-0600

FOR THE MONTH AND PERIOD ENDED
OCTOBER 1986

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, WASHINGTON, D.C.

NOTE TO USERS:

PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & WHINNEY

RELEASE DATE: December 18, 1986

The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

SPI

SECTION I

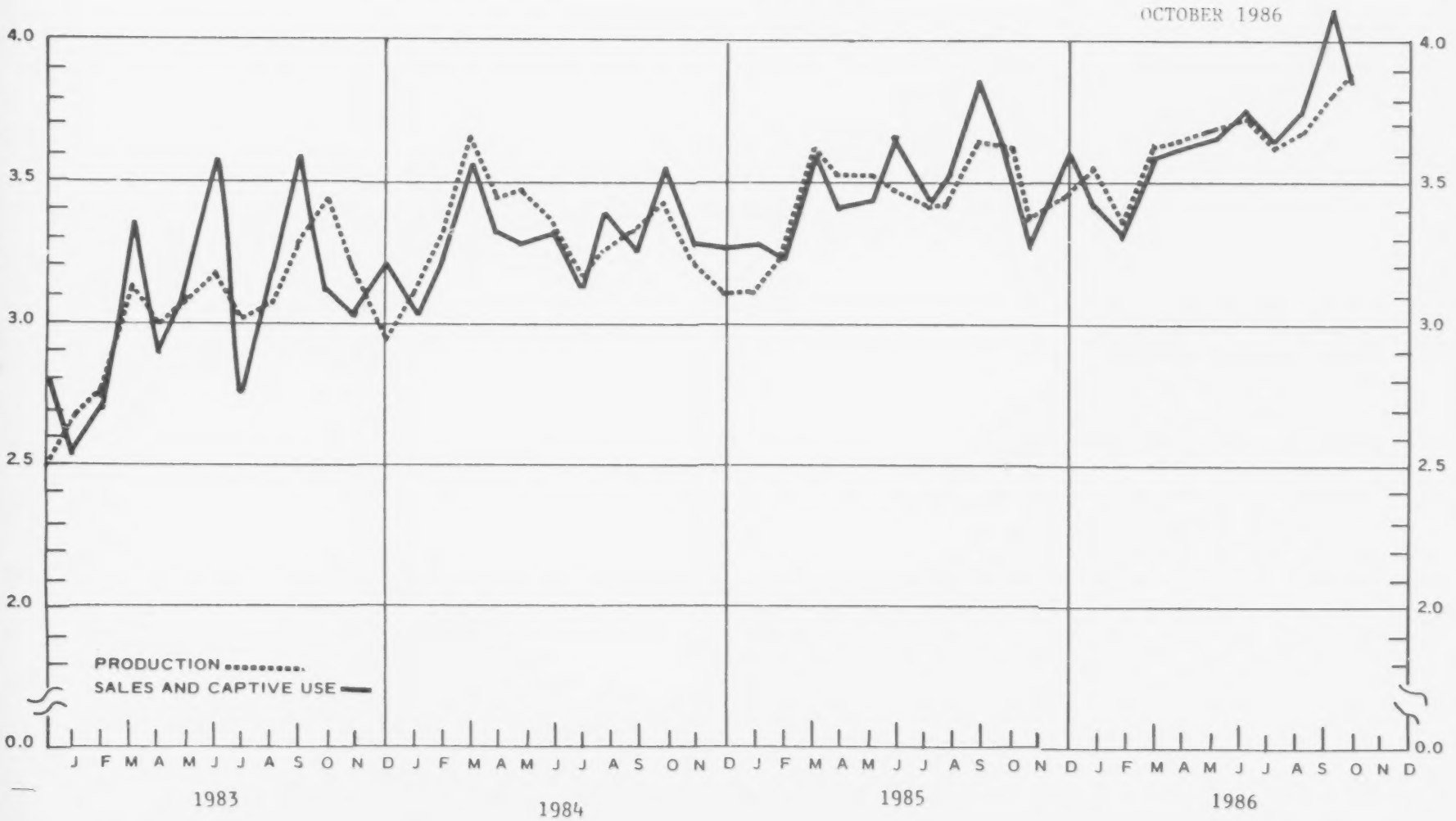
CRS

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)


OCTOBER 1986
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PRODUCTION
SALES AND CAPTIVE USE
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Compiled by ERNST & WHINNEY, Washington, D.C., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)(1)

October 1986

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
EPOXY RESINS, TOTAL	31,592	32,552	- 2.9	321,4708	314,411	+ 2.2	29,550	26,311	+12.3	338,4568	317,728	+ 6.5
POLYESTER (UNSATURATED) RESINS, TOTAL	111,723	107,951	+ 3.5	1,078,061	1,054,179	+ 2.3	113,997	109,804	+ 3.8	1,084,465	1,048,386	+ 3.4
UREA RESINS, TOTAL	115,874	107,675	+ 7.6	1,035,1258	1,013,581	+ 4.0	116,273	107,453	+ 8.2	1,059,2088	1,019,780	+ 3.9
MELAMINE RESINS, TOTAL	19,532	18,022	+ 8.4	161,255	163,208	- 1.2	17,188	18,877	- 8.9	145,952	162,173	-10.0
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	253,400	247,132	+ 2.5	2,333,7888	2,204,687	+ 5.9	248,178	246,007	+ 1.7	2,295,8988	2,186,594	+ 5.0
THERMOSETTING RESINS, TOTAL	532,126	513,332	+ 3.7	4,928,6678	4,750,066	+ 4.2	525,206	506,452	+ 3.7	4,923,9798	4,734,661	+ 4.0
LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	755,713	730,760	+ 3.4	7,376,3098	7,383,227	- 0.1	772,268	782,520	- 1.3	7,396,187	7,389,263	+ 0.0
HIGH DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	578,683	533,560	+ 8.5	5,845,0058	5,507,458	+ 5.9	642,097	570,536	+12.5	5,972,2838	5,573,184	+ 7.2
POLYPROPYLENE, TOTAL	516,741	439,201	+17.7	4,831,4138	4,349,403	+11.1	503,939	446,584	+12.8	4,272,9908	4,266,362	+11.9
ACRYLONITRILE BUTADIENE STYRENE (ABS) RESINS, TOTAL	99,571	82,466	+20.7	888,8298	858,111	+ 3.6	100,026	66,284	+50.9	893,906	860,215	+ 3.9
STYRENE ACRYLONITRILE (SAN) RESINS, TOTAL	7,964	7,811	+ 2.0	67,195	73,554	- 8.6	7,995	7,854	+ 1.8	73,315	73,620	- 0.4
POLYSTYRENE RESINS, TOTAL	395,030	354,672	+11.4	3,733,050	3,419,522	+ 9.2	402,985	339,403	+18.7	3,674,216	3,367,125	+ 9.1
STYRENE BASED LATEXES, TOTAL **	79,266	73,455	+ 7.9	774,7628	673,523	+ 7.6	77,095	72,038	+ 7.0	679,8538	622,753	+ 9.2
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	24,653	24,110	+ 2.3	238,993	227,014	+ 5.3	25,235	28,520	-11.5	236,392	229,725	+ 2.9
NYLON RESINS, TOTAL	41,026	36,200	+13.3	371,9758	336,329	+10.6	41,876	35,819	+16.9	390,564	332,590	+17.4
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	658,955	570,066	+15.6	6,158,3868	5,585,435	+10.3	613,222 *	608,689 *	+ 0.8	5,994,174 *	5,665,242 *	+ 5.8
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	58,409	60,406	- 3.3	588,6358	578,047	+ 1.8	58,409	60,406	- 3.3	588,6358	578,047	+ 1.8
POLYVINYL ALCOHOL, TOTAL #	D(4)	13,092	n.c.	D(4)	123,140	n.c.	D(4)	9,555	n.c.	D(4)	118,306	n.c.
OTHER VINYL RESINS, TOTAL	15,923	16,269	+11.6	156,756	159,889	- 3.2	14,755	17,025	-13.3	162,742	159,658	+ 1.9
THERMOPLASTIC POLYESTER, TOTAL	103,615	83,217	+24.5	957,067	789,841	+21.2	105,522	80,210	+31.5	961,417	796,033	+20.8
THERMOPLASTIC RESINS, TOTAL	3,335,549	3,023,285	+10.3	31,970,3538	30,065,872	+ 6.2	3,369,421	3,125,249	+ 7.7	31,794,6748	30,022,123	+ 5.9
GRAND TOTAL	3,867,675	3,536,617	+ 9.4	36,875,0188	34,815,891	+ 5.9	3,890,627	3,631,701	+ 7.1	36,718,6538	34,700,784	+ 5.6

(1) - Except phenolic resins which are reported on a gross weight basis

* = These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

\# = Includes imputed data

** = Sales and Captive Use figures include some Canadian produced material.

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D = Disclosure
R = Revision
n.c. = Not Comparable

(4) The Publishing of PVOH data has been temporarily suspended.

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In millions of pounds, dry weight basis)(1)

October 1986

RESIN KIND	October				YEAR TO DATE				
	Production	Imports	Exports*	Apparent Consumption	Production	Imports	Exports*	Apparent Consumption	Import % of Apparent Consumption
EPOXY RESINS, TOTAL	30	1	8	23	338R	14	84	268	5
POLYESTER (UNSATURATED) RESINS, TOTAL	114	1	2	113	1,084	6	22	1,068	1
UREA RESINS, TOTAL	116	2	0	118	1,059R	22	2	1,079	2
MELAMINE RESINS, TOTAL	17	0	1	16	146	2	16	132	2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	248	4	4	248	2,296R	34	32	2,298	1
THERMOSETTING RESINS, TOTAL	525	8	15	518	4,923R	78	156	4,845	2
LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	772	67	85	754	7,394	611	721	7,284	8
HIGH DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	642	3	51	594	5,972R	34	713	5,293	1
POLYPROPYLENE, TOTAL	504	2	109	397	4,773R	22	964	3,831	1
ACRYLONITRILE BUTADIENE STYRENE (ABS) RESINS, TOTAL	100	4	10	94	894	59	79	874	7
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	8	0	1	7	73	0	12	61	0
OTHER STYRENICS	102	3	6	99	916	42	79	879	5
POLYSTYRENE, TOTAL	403	0	9	394	3,674	16	95	3,595	0
NYLON RESINS, TOTAL	42	2	6	38	391	22	55	358	6
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	613	12	33	592	5,994	183	281	5,896	3
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	58	1	7	52	589R	18	62	545	3
POLYVINYL ALCOHOL, TOTAL	D(4)	--	--	--	D(4)	--	--	--	--
OTHER VINYL RESINS, TOTAL	15	3	5	13	163	32	43	152	21
THERMOPLASTIC POLYESTER, TOTAL	106	2	10	98	961	23	108	876	3
THERMOPLASTIC RESINS, TOTAL	3,365	99	337	3,127	31,794R	1,062	3,212	29,644	4
GRAND TOTAL	3,890	107	347	3,650	36,717R	1,140	3,368	34,489	3

(1) = Except phenolic resins which are reported on a gross weight basis

(4) = The publishing of PVOH data has been temporarily suspended.

D = Disclosure
R = Revision

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Sources: Production – SPI Monthly Statistical Report
Imports – Bureau of Census IM 146
Exports – Bureau of Census EM 546

* = Bureau of Census exports will differ from the SPI exports as published on pages 4 through 11 of this report.

	Import No. (1)	Export No. (2)
Epoxy	409.0200	444.5410/444.5420
Polyester, Unsaturated	409.1000	444.6000
Urea	445.3540	444.5220
Melamine	445.3520	444.5210
Phenolic	409.0600	444.5810/444.5820
Low Density Polyethylene	445.3010	444.1610
High Density Polyethylene	445.3020	444.1620
Polypropylene	445.5200	444.1700
ABS	408.7200	444.2010
SAN	408.8100	444.2020
Other Styrenics	408.7600/408.8450	444.2050
Polystyrene	408.8420	444.2030/444.2040
Nylon	408.6100	444.1210
PVC	445.4600	444.2310/444.2320
Vinyl Acetate	445.4400	444.2120
Polyvinyl Alcohol	445.4200	444.2110
Other Vinyls	445.4800	444.2330
Thermoplastic Polyester	408.6800	444.1500

(1) Tariff Schedules of the U.S. Annotated
(2) Schedule B

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

THERMOSETTING RESINS — October 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
EPOXY RESINS, TOTAL	31,597	32,552	- 2.9	321,4708	314,411	+ 2.2	29,550	26,311	+12.3	338,456R	317,728	+ 6.5
Total Exports	3,597	3,220	+11.7	46,5258	35,938	+29.5						
Captive Use, Total	1,099	1,459	-24.7	11,020	12,815	-14.0						
Domestic Sales, Total	26,901	27,873	- 3.5	263,9268	265,658	- 0.7						
Domestic Sales & Captive Use, Total	28,000	29,332	- 4.5	274,9468	278,473	- 1.3						
Bonding & Adhesives	1,539	1,458	+ 5.6	16,684	14,741	+13.2						
Flooring, Paving & Exposed Aggregate	1,796	1,443	+24.5	16,974	14,377	+18.1						
Protective Coatings	13,957	15,092	- 7.5	138,8458	145,789	- 4.8						
Fiber Reinforced Laminates & Composites, Total	5,885	6,630	-11.2	58,664	58,296	+ 0.6						
FRL&C for Printed Wiring Board	4,265	4,023	+ 6.0	40,392	36,985	+ 9.2						
All Other FRL&C	1,620	2,607	-37.9	18,272R	21,311	-14.3						
Tooling, Casting & Molding Resins	2,043	2,066	- 1.1	19,697	20,094	- 2.0						
All Other Uses	2,780	2,643	+ 5.2	24,082R	25,176	- 4.3						
POLYESTER (UNSATURATED) RESINS, TOTAL	111,723	107,951	+ 3.5	1,078,041	1,054,179	+ 2.3	113,997	109,804	+ 3.8	1,084,465	1,048,386	+ 3.4
Total Exports	723	696	+ 3.9	7,963	7,739	+ 2.9						
Total Domestic	111,000	107,255	+ 3.5	1,070,078	1,046,440	+ 2.3						
General Purpose Resins, Total	96,424	93,014	+ 3.7	925,136	912,024	+ 1.4						
General Purpose - Thixotropic	43,242	40,929	+ 5.7	410,751	392,281	+ 4.7						
General Purpose - Press Molding	11,071	14,126	-21.6	131,279	134,907	- 2.7						
General Purpose - All Other	42,111	37,959	+10.9	383,106	384,836	- 0.4						
Flame Retardant Resins	2,123	2,035	+ 4.3	21,628	20,150	+ 7.3						
Chemical Resistant Resins	12,453	12,206	+ 2.0	123,314	114,266	+ 7.9						
Chemical Resistant Isophthalic Resins	10,120	8,987	+12.6	100,137	86,814	+15.3						
All Other Chemical Resistant Resins	2,333	3,219	-27.5	23,177	27,452	-15.6						
Reinforced Plastics, Total	82,582	83,984	- 1.7	807,483	811,313	- 0.5						
Non Reinforced Plastics, Total	28,418	23,271	+22.1	262,595	235,127	+11.7						

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R = Revision

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SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOSETTING RESINS

(In thousands of pounds, dry weight basis)(1)

October 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
UREA RESINS, TOTAL	115,874	107,675	+ 7.6	1,054,124R	1,013,581	+ 4.0	116,273	107,453	+ 8.2	1,059,208R	1,019,780	+ 3.9
MELAMINE RESINS, TOTAL	19,532	18,022	+ 8.4	161,244R	163,208	- 1.2	17,188	18,877	- 8.9	145,952R	162,173	-10.0
UREA & MELAMINE RESINS, TOTAL	135,406	125,697	+ 7.7	1,215,368R	1,176,789	+ 3.3	133,461	126,330	+ 5.6	1,205,160R	1,181,953	+ 2.0
Total Exports	D	D		D	D							
Total Domestic*	135,406	125,697	+ 7.7	1,215,368R	1,176,789	+ 3.3						
Textile Treating & Coating Resins	3,148	1,849	+70.3	17,332	14,740	+17.6	2,783	2,407	+15.6	21,994	21,789	+ 0.9
Paper Treating & Coating Resins	7,745	7,862	- 1.5	81,615R	84,179	- 3.0	7,613	8,049	- 5.4	82,712R	89,925	- 8.0
Molding Compounds	D	D		D	D		D	D		D	D	
Bonding & Adhesive Resins for:	104,131	94,610	+10.1	942,009R	890,287	+ 5.8	104,103	94,627	+10.0	938,214R	892,361	+ 5.1
Laminating	5,182	4,650	+11.4	37,840	38,068	- 0.6	5,019	4,625	+ 8.5	35,789	37,817	- 5.4
Plywood	5,628	5,004	+12.5	50,635	48,211	+ 5.0	5,757	5,077	+13.4	50,971	48,487	+ 5.1
Fibrous & Granulated Wood (Particle Board)	93,321	84,956	+ 9.8	853,534R	804,008	+ 6.2	93,327	84,925	+ 9.9	851,454R	806,059	+ 5.6
Protective Coatings (Straight & Modified)	9,693	8,323	+16.5	87,279	75,882	+15.0	9,820	9,616	+ 2.1	84,991	80,258	+ 5.9
All Other Uses (Includes Molding Compounds, and Exports)	10,689	13,053	-18.1	87,133	111,701	-22.0	9,142	11,631	-21.4	77,249	97,618	-20.9
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	253,400	247,132	+ 2.5	2,333,788R	2,204,687	+ 5.9	248,198	244,007	+ 1.7	2,295,898R	2,186,594	+ 5.0
Total Exports	2,002	1,459	+37.2	13,255	17,674	-25.0						
Total Domestic	251,398	245,673	+ 2.3	2,320,533R	2,187,013	+ 6.1						
Molding Compounds	19,275	18,779	+ 2.6	173,254	176,913	- 2.1	20,272	19,396	+ 4.5	180,172	182,193	- 1.1
Bonding & Adhesive Resins for:	228,131	221,156	+ 3.2	2,111,286R	1,953,761	+ 8.1	223,615	218,947	+ 2.1	2,078,377R	1,947,627	+ 6.7
Laminating	18,202	13,496	+34.9	168,067R	120,066	+40.0	14,685	11,657	+26.0	140,340R	106,085	+32.3
Coated & Bonded Abrasives	1,730	1,446	+19.6	15,697R	13,888	+13.0	1,739	1,449	+20.0	15,771R	13,925	+13.3
Friction Materials	2,604	2,443	+ 6.6	24,636	22,677	+ 8.6	2,326	2,522	- 7.8	23,762	22,908	+ 3.7
Insulation Materials	37,363	40,771	- 8.4	349,207R	350,248	- 0.3	37,219	40,961	- 9.1	342,420R	353,124	- 3.0
Foundry & Shell Molding	4,020	6,384	-37.0	35,667R	64,964	-45.1	3,939	6,578	-40.1	35,446R	67,200	-47.3
Plywood	136,284	115,855	+17.6	1,225,300R	1,042,329	+17.6	135,311	115,117	+17.5	1,225,073R	1,042,768	+17.5
Fibrous & Granulated Wood	20,189	21,962	- 8.1	210,627	180,654	+16.6	19,922	21,749	- 8.4	214,539	180,467	+18.9
Resins Sold to Rubber Industry	2,342	2,511	- 6.7	26,042	23,700	+ 9.9	2,962	2,695	+ 9.9	24,454	25,439	- 3.9
All Other	5,397	16,288	-66.9	56,043R	135,235	-58.6	5,512	16,219	-66.0	56,572R	135,731	-58.3
Protective Coatings - Unmodified & Modified	2,326	1,981	+17.4	19,429	19,595	- 0.6	2,311	1,981	+16.7	19,265	19,617	- 1.8
Resins Sold to Rubber Industry, Non-Adhesive Uses #	D	D		D	D		D	D		D	D	
All Other Uses #	1,666	3,757	-55.7	16,514R	36,744	-55.1	2,000	3,683	-45.7	18,064R	37,157	-51.3

(1) = Except phenolic resins which are reported on a gross weight basis

* = Domestic total includes exports.

\# = Due to disclosure problem, All Other Uses includes Resins Sold to Rubber Industry, Non-Adhesive Uses.

D = Disclosure

R = Revision

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SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

October 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	Change	1986	1985	Change	1986	1985	Change	1986	1985	Change
LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	755,713	730,760	+ 3.4	7,376,309 R	7,384,297	- 0.1	772,268	782,520	- 1.3	7,394,187	7,389,263	+ 0.0
Total Exports	67,420	65,265	+ 3.3	782,550	982,603	-20.4						
Total Domestic	688,293	665,495	+ 3.4	6,593,759 R	6,401,694	+ 3.0						
Film (12 Mils & Below)	439,206	428,394	+ 2.5	4,024,210	4,003,143	+ 0.5						
Sheet (Over 12 Mils)	D(3)	D(3)		D(3)	D(3)							
Injection Molding	40,307	53,172	-24.2	472,958	487,308	- 2.9						
Wire & Cable	28,811	29,973	- 3.9	286,311	290,217	- 1.3						
Extrusion Coating	61,449	49,721	+23.6	566,676	541,988	+ 4.6						
Blow Molding	3,638	3,197	+13.8	33,150	39,698	-16.5						
Pipe & Conduit, Total	3,019	1,646	+83.4	25,182	26,433	- 4.7						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	9,684	14,099	-31.3	94,757	79,774	+18.8						
Resellers & Compounders	42,072	*		502,782 R	*							
All Other Uses	60,107	85,293	-29.5	587,733	933,133	-37.0						
HIGH DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	578,683	533,560	+ 8.5	5,835,005 R	5,507,458	+ 5.9	642,097	570,536	+12.5	5,972,283 R	5,573,184	+ 7.2
Total Exports	59,269	69,951	-15.3	720,188	706,341	+ 2.0						
Total Domestic	519,414	463,609	+12.0	5,114,817 R	4,801,117	+ 6.5						
Film (12 Mils & Below)	50,254	36,408	+38.0	405,118	358,031	+13.2						
Sheet (Over 12 Mils)	14,937	11,069	+34.9	148,586	112,864	+31.7						
Injection Molding	116,136	111,673	+ 4.0	1,305,949	1,291,966	+ 1.1						
Wire & Cable	9,481	10,480	- 9.5	102,588	98,197	+ 4.5						
Extrusion Coating	D(2)	D(2)		D(2)	D(2)							
Blow Molding	220,952	195,819	+12.8	2,009,886	1,856,656	+ 8.3						
Pipe & Conduit, Total	40,644	38,270	+ 6.2	388,466	411,062	- 5.5						
Corrugated Pipe & Conduit	13,035	9,136	+42.7	133,265	109,606	+21.6						
Non-Corrugated Pipe & Conduit	27,609	29,134	- 5.2	255,201	301,456	-15.3						
Other Extruded Products	3,388	2,831	+19.7	46,931	44,213	+ 5.2						
Resellers & Compounders	35,910	*		429,853 R	*							
All Other Uses	27,712	57,039	-51.4	289,440	649,128	-54.7						

(2) = Included in Other Extruded Products
(3) = Included in Film
* = 1985 data not available

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) October 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
POLYPROPYLENE, TOTAL	516,741	439,201	+17.7	4,831,413 R	4,349,403	+11.1	503,939	446,584	+12.8	4,772,990 R	4,266,362	+11.9
Total Exports	94,026	63,345	+48.4	928,559	728,678	+27.4						
Total Domestic	422,715	375,856	+12.5	3,902,854 R	3,620,725	+ 7.8						
Injection Molding	122,336	115,027	+ 6.4	1,079,724	1,067,474	+ 1.1						
Appliances	11,994	10,131	+18.4	106,393	96,272	+10.5						
Consumer Products	28,419	28,573	- 0.5	261,095	260,236	+ 1.1						
Rigid Packaging	37,756	32,985	+14.5	365,574	325,041	+12.5						
Transportation	32,640	30,931	+ 5.5	251,169	283,093	-11.3						
All Other Injection Molding	11,527	12,407	- 7.1	93,493	102,832	- 9.1						
Blow Molding	11,324	9,114	+24.2	88,375	88,381	0.0						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below)	42,590	34,008	+25.2	421,545	323,451	+30.3						
Sheet (Over 10 Mils)	3,413	2,870	+18.9	32,739	36,411	-10.1						
Extrusion Coating	D	D		D	D							
Wire & Cable	D	D		D	D							
Fiber & Filaments	131,089	113,699	+15.3	1,243,944	1,181,883	+ 5.3						
Textile Applications	122,467	106,549	+14.9	1,143,813	1,093,565	+ 4.6						
Non Textile Monofilaments	8,622	7,150	+20.6	100,131	88,318	+13.4						
Pipe & Conduit	D	D		D	D							
Other Extruded Products #	9,073	8,084	+12.2	82,698	74,998	+10.3						
Resellers & Compounders	86,676	70,193	+23.5	808,734 R	681,900	+18.6						
All Other Uses	16,214	22,861	-29.1	145,095	166,227	-12.7						

= Includes Extrusion Coating, Wire & Cable, Pipe & Conduit

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

October 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
ACRYLONITRILE BUTADIENE STYRENE (ABS) RESINS, TOTAL	99,571	82,466	+20.7	888,829	858,133	+ 3.6	100,026	66,284	+50.9	891,906	860,215	+ 3.9
Total Exports												
Total Domestic												
Electrical & Electronic Uses												
Pipe, Conduit & Fittings												
Transportation												
Consumer & Institutional												
All Other Uses												
STYRENE ACRYLONITRILE (SAN) RESINS, TOTAL	7,964	7,811	+ 2.0	67,195	73,554	- 8.6	7,994	7,854	+ 1.8	73,315	73,620	- 0.4
Total Exports	1,758	1,144	+53.7	9,374	7,568	+23.9						
Total Domestic	6,206	6,667	- 6.9	57,821	65,986	-12.4						
POLYSTYRENE RESINS, TOTAL	395,030	354,672	+11.4	3,733,050	3,419,572	+ 9.2	402,985	339,403	+18.7	3,674,216	3,367,125	+ 9.1
Straight Polystyrene	210,908	187,127	+12.7	1,958,617	1,768,558	+10.7	210,858	190,244	+10.8	1,960,814	1,769,007	+10.8
Rubber-Modified Polystyrene	184,122	167,545	+ 9.9	1,774,433	1,651,014	+ 7.5	192,127	149,159	+28.8	1,713,402	1,598,118	+ 7.2
Total Exports	8,737	6,645	+31.5	92,098	70,469	+30.7						
Straight Polystyrene	7,640	4,979	+53.4	61,875	40,263	+58.6						
Rubber-Modified Polystyrene	1,097	1,666	-34.2	28,221	30,206	- 6.6						
Total Domestic	386,293	348,027	+11.0	3,640,954	3,349,103	+ 8.7						
Molding	132,733	127,350	+ 4.2	1,300,380	1,168,145	+11.3						
Extrusion	175,741	148,402	+18.4	1,627,648	1,442,999	+12.8						
Expandable Polystyrene Beads	55,397	41,060	+34.9	422,690	429,639	- 1.6						
All Other Uses	22,422	31,215	-28.2	290,236	308,320	- 5.9						
Polystyrene End Uses, Total**	386,293	348,027	+11.0	3,640,954	3,349,103	+ 8.7						
Packaging	103,314	81,906	+23.1	915,843	797,264	+14.9						
Disposables	44,631	48,116	- 7.2	470,292	399,695	+17.7						
Consumer and Institutional Products	57,541	53,881	+ 6.8	501,561	555,540	- 9.7						
Electrical/Electronics	37,442	25,424	+47.3	335,675	261,679	+28.3						
Furniture, Furnishings, Building & Construction	22,587	10,716	+110.8	194,945	123,244	+58.2						
Expandable Polystyrene Beads	55,397	41,060	+34.9	422,690	429,639	- 1.6						
Resellers and Compounders	47,941	48,800	- 0.7	428,283	444,579	- 3.7						
All Other End Uses	17,440	36,622	-52.4	371,665	337,463	+10.1						

** = Portions of the End Use Section are estimated.

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

OCTOBER 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
STYRENE BASED LATEXES, TOTAL	79,266	71,455	+7.9	724,762R	673,523	+7.6	77,095	72,038	+ 7.0	679,853R	622,753	+ 9.2
Paper Treating	5,129	3,905	+16.5	46,572R	33,416	+39.4						
Textile Treating	1,920	1,652	+16.2	16,595R	14,653	+13.3						
Carpet Backing	27,003	27,852	-3.0	266,210R	260,364	+2.2						
All Other Uses (Including Exports & Paper Coating)	45,014	40,046	+12.4	395,385	365,090	+8.3						
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene *	24,653	24,110	+2.3	238,993	227,014	+5.3	25,235	28,520	-11.5	236,392	229,725	+ 2.9
Total Export	D	D		D	D	D						
Total Domestic	24,653	24,110	+2.3	238,993	227,014	+5.3						
Molding & Extrusion	20,907	18,634	+12.2	191,647	174,234	+10.0						
Coatings	3,746	5,476	-31.6	47,346	52,780	-10.3						
NYLON RESINS, TOTAL	41,026	36,200	+13.3	371,975R	336,329	+10.6	41,874	35,819	+16.9	390,564	332,590	+17.4
Total Exports	3,953	1,236	+219.8	31,794R	19,720	+61.2						
Total Domestic	37,073	34,964	+6.0	340,181R	316,609	+7.4						
Injection Molding Grade	24,504	23,477**	+4.4	225,785R	209,732	+7.7						
Extrusion Grade	9,991	8,232	+21.4	94,113R	85,157	+10.5						
Resellers and Compounders	1,940	2,392	-18.9	14,944	15,344	-2.6						
All Other Uses	638	863	-26.1	5,339	6,376	-16.3						

*** - Old disclosure rules apply for Styrene Butadiene section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials, see the back of the cover of the report.

* - Exports are included in Total Domestic and Molding & Extrusion.

Styrene Based Latexes sales includes some Canadian-produced material.

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) October 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	658,955	570,066	+15.6	6,158,184R	5,585,415	+10.3	613,222	608,489	+ 0.8	5,994,174	5,665,242	+ 5.8
Homopolymer Resins Including Blending & Latex	604,413	512,890	+17.8	5,653,607R	5,056,591	+11.8	565,177	551,621	+ 2.5	5,510,763	5,136,018	+ 7.3
Copolymer Resins Including Blending & Latex	17,854	22,644	-21.2	171,847	219,448	-21.7	15,440	22,315	-30.8	163,009	222,005	-26.6
Dispersion Resins	36,688	34,532	+ 6.2	332,930	309,196	+ 7.6	32,605	34,553	- 5.6	320,402	307,219	+ 4.3
Total Exports	34,668	23,577	+47.0	292,605R	242,151	+20.8						
Total Domestic	624,287	546,489	+14.2	5,865,779R	5,343,284	+ 9.8						
Calendering, Total	59,347	63,733	- 6.9	592,079R	568,167	+ 4.2						
Flooring	13,934	16,006	-12.9	136,089	133,537	+ 1.9						
Textile	6,912	5,341	+29.4	66,278	58,203	+13.9						
All Other Calendering Uses	38,501	42,386	- 9.2	389,712R	376,427	+ 3.5						
Coating, Total	30,504	28,419	+ 7.3	269,102	249,733	+ 7.8						
Flooring	13,760	11,918	+15.5	116,003	102,420	+13.3						
Textile & Paper Coating	9,156	9,142	+ 0.2	80,576	75,435	+ 6.8						
Protective Coatings	4,311	4,285	+ 0.6	39,070	38,264	+ 2.1						
Adhesives & All Other Coating Uses	3,277	3,094	+ 5.9	33,453	33,614	- 0.5						
Extrusion, Total	428,415	368,440	+16.3	3,952,603R	3,723,841	+ 6.1						
Wire & Cable	37,835	39,572	- 4.4	346,521R	378,299	- 8.4						
Film & Sheet	22,545	19,744	+14.2	208,168R	187,914	+10.8						
Siding, Siding Accessories & Mobile Home Skirting	45,157	40,409	+11.7	402,454R	389,757	+ 3.3						
Rigid Pipe & Tubing (Except Fittings)	273,437	219,684	+24.5	2,547,134R	2,327,222	+ 9.4						
All Other Extrusions	49,441	49,031	+ 0.8	448,326R	440,649	+ 1.7						
Molding, Total	42,919	40,167	+ 6.9	410,026R	391,891	+ 4.6						
Bottles	17,959	13,483	+33.2	165,615	135,965	+21.8						
Sound Records	3,455	7,089	-51.3	34,627	56,558	-38.8						
Fittings (Rigid Pipe & Tubing)	10,274	12,448	-17.5	113,977R	139,849	-18.5						
All Other Molding	11,231	7,147	+57.1	95,807	59,519	+60.9						
Paste Processes (Except Coating)	12,280	14,296	-14.1	127,667	130,963	- 2.5						
Plastisol Formulation	6,167	6,864	-10.2	63,118	65,099	- 3.0						
All Other	6,113	7,432	-17.7	64,549	65,864	- 2.0						
Resellers & Compounders	28,831	8,858	+225.5	245,314	77,086	+218.1						
All Other Uses	21,991	22,556	- 2.5	269,088	201,603	+33.5						

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SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

October 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	October			YEAR TO DATE			October			YEAR TO DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	58,409	60,406	- 3.3	588,635R	578,047	+ 1.8	58,409	60,406	- 3.3	588,635 R	578,047	+ 1.8
Total Exports	326	437	-25.4	1,489	5,351	-34.8						
Total Domestic #	58,083	59,969	- 3.1	585,146R	572,696	+ 2.2						
Emulsion Paints	19,159	17,769	+ 7.8	202,210R	175,590	+15.2						
Adhesives, Caulks and Sealants	21,439	24,576	-12.8	217,042R	226,842	- 4.3						
Paper Treating & Paper Coating	9,761	9,467	+ 3.1	91,282R	93,450	- 2.3						
Textile Treating	2,599	2,866	- 9.3	27,211R	27,114	+ 0.4						
Non-Woven Binders	D	D		D	D							
All Other Uses	5,125	5,291	- 3.1	47,401	49,650	- 4.5						
POLYVINYL ALCOHOL, TOTAL #	D(4)	13,092	n.c.	D(4)	123,140	n.c.	D(4)	9,555	n.c.	D(4)	118,306	n.c.
Total Exports	D(4)	3,839		D(4)	25,500							
Total Domestic	D(4)	9,253		D(4)	97,640							
OTHER VINYL RESINS*, TOTAL	15,923	14,269	+11.6	154,754	159,889	- 3.2	14,755	17,025	-13.3	162,742	159,658	+ 1.9
Total Exports	5,154	3,531	+46.0	42,907	39,716	+ 8.0						
Total Domestic	10,769	10,738	+ 0.3	111,847	120,173	- 6.9						
*Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride												
THERMOPLASTIC POLYESTER, TOTAL	103,615	83,217	+24.5	957,047	789,831	+21.2	105,522	80,216	+31.5	961,417	796,033	+20.8
Total Exports	13,428	9,671	+38.8	130,695	95,273	+37.2						
Total Domestic	90,187	73,546	+22.6	826,352	694,558	+19.0						
PET Bottle Grades	59,949	52,135	+15.0	587,302	514,690	+14.1						
All Other Thermoplastic Polyester**	30,238	21,411	+41.2	239,050	179,868	+32.9						

** = Includes All Other PET and All Injection Molding Grades

= Includes imputed data

(1) = Included in All Other Uses

(4) = The Publishing of PVOH data is temporarily suspended until further notice.

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MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOSETTING & THERMOPLASTIC RESINS

RESIN CODING CLASSIFICATIONS	
EPOXY (UNMODIFIED) RESINS	EPOXY
POLYESTER (UNSATURATED) RESINS	PY
UREA RESINS	UREA
MELAMINE RESINS	MELA
PHENOLIC & OTHER TAR ACID RESINS	PHEN
LOW DENSITY POLYETHYLENE 0.940 & BELOW	LDPE
HIGH-DENSITY POLYETHYLENE ABOVE 0.940	HDPE
POLYPROPYLENE POLYMERS & COPOLYMERS	PP
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS)	ABS
STYRENE-ACRYLONITRILE (SAN)	SAN
POLYSTYRENE RESINS	PS
STYRENE BUTADIENE LATEXES - carboxylated, 45% styrene content and over	SBL
OTHER STYRENE BASED LATEXES - over 50% styrene including styrene butadiene latexes not carboxylated	OTHER SBL
OTHER STYRENE BASED POLYMERS - over 40% styrene and used in molding and extrusion processes	OTHER SBP
NYLON RESINS	NYLON
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT)	PVC
POLYVINYL ACETATE	PVAc
POLYVINYL ALCOHOL	PVOH
OTHER VINYL RESINS	OTHER VINYL
THERMOPLASTIC POLYESTER	TPY

REPORTING CLASSIFICATIONS	
CATEGORY	CODE
Production	P
Domestic Sales	D
Export Sales	E

Above Legends Refer to the Following List of Reporting Companies by Resin Category.

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

THIRD QUARTER, 1986

COMPANY	RESIN CATEGORY																		
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	OSBLL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
ADVANCE COATINGS		PD																	
A & E PLASTICS											PDE								
AIR PRODUCTS & CHEMICALS															PDE	DE	PDE		
ALLIED CORPORATION							PDE							PDE					PD
ALLIED BENDIX					PD														
ALPHA CHEMICAL CORPORATION		PDE																	
AMERICAN CYANAMID COMPANY			PDE	PDE															
AMERICAN HOECHST CORP. - PLASTICS DIVISION							PDE												
AMERICAN HOECHST CORP. SOU-TEX DIVISION				PD	PD														
AMETEK, HAVEG DIVISION					PD														
AMOCO CHEMICAL CORPORATION							PDE	PDE			PDE								
ANDERSON DEVELOPMENT CO.													PD						
ARCO CHEMICAL											PDE		PDE						
ASHLAND CHEMICAL COMPANY		PDE			PD														
ASOMA POLYMERS, INC.											PD								
ATOCHEM, INC.														PDE					
AZS CORPORATION		PD																	
BASF CORPORATION											PDE			PDE					
BELDING CHEMICAL INDUSTRIES														PD					

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																		
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	OSBBLL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
BORDEN CHEMICAL COMPANY			PD	PD	PDE										PDE	D			
BORG-WARNER CHEMICALS, INC.									PDE	PD									
CARGILL, INC.		PD																	
CELANESE CHEMICAL COMPANY																D			
CELANESE ENGINEERING RESINS														PDE					PDE
CERTAIN-TEED PRODUCTS CORP.															PD				
CHEMBOND CORPORATION			PD	PD	PDE														
CHEVRON CHEMICAL OLEFINS						PDE	PDE				PDE								
CIBA-GEIGY CORP.	PDE																		
COOK PAINT & VARNISH COMPANY		PD																	
CUSTOMS RESINS, INC.														PD					
DAN RIVER, INC.			PD																
DART POLYMERS											PD								
DOW CHEMICAL U.S.A.	PDE	PDE				PDE	PDE		PDE	PDE	PDE	PDE	PDE					PDE	
E. I. DUPONT DE NEMOURS AND COMPANY						PDE	PDE						PDE	PDE			PDE	PDE	PDE
EASTMAN CHEMICAL COMPANY						PDE		PDE											PDE
EL PASO PRODUCTS CO.						PDE		PDE											
EMSER INDUSTRIES														PD					
ENRON						PDE	PDE	PDE											

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	OSBLI	OTHER SRP	MYLOM	PVC	PVAC	PVOH	OTHER THERMOPL	TPY
EXXON CHEMICAL AMERICAS						PDE	PDE	PDE											
FINA OIL & CHEMICAL								PDE			PDE								
FIRESTONE SYNTHETIC RUBBER & LATEX													PD						
FORMICA CORPORATION				PDE	D														
FORMOSA PLASTICS CORPORATION															PD				
FREEMAN CHEMICAL CORPORATION		PD																	
H. B. FULLER																D			
GENERAL ELECTRIC COMPANY																			PDE
GENERAL TIRE COMPANY												PD							
GEORGIA-GULF															PDE				
GEORGIA-PACIFIC CORPORATION			PD		PD														
GLIDDEN COATINGS AND RESINS DIV. OF SCM		PD																	
B. F. GOODRICH CHEMICAL COMPANY										PDE					PDE				
GOODSON CHEMICAL CORP.											PD								
GOODYEAR CHEMICAL DIVISION												PD	PDE		PDE				PDE
DEWEY & ALMY DIVISION W. R. GRACE & COMPANY									PD			PD				D		PDE	
GRIFFTEX CHEMICALS			PD	PD															
HIMONT USA, INC.							PDE	PDE											

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																		
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	OSBBLL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
HOECHST FIBERS INDUSTRIES																			PDE
HUNTSMAN CHEMICAL CORP.											PDE								
ICI AMERICAS		PDE																	PDE
INMONT CORPORATION		PDE			PD														
INTERPLASTIC CORPORATION		PD																	
INTEREZ, INC.	PDE		PD	PD															
IRONSIDES RESINS, INC.					PD														
KEYSOR-CENTURY CORPORATION															PD				
KOPPERS COMPANY		PD			PDE														
MAPLECHEM, INC. (Now Harborchem)			PD	PD															
MASONITE CORPORATION					PD														
MOBIL CHEMICAL COMPANY						PDE	PDE				PDE								
MONSANTO COMPANY			PDE	PDE					PDE	PDE			PDE	PDE		DE		PDE	
MORTON INDUSTRIES												PD						PDE	
NATIONAL STARCH & CHEMICALS CORP.																D			
NYLON CORP. OF AMERICA														PD					
OCCIDENTAL CHEMICAL CORP.					PDE										PDE				
OWENS-CORNING FIBERGLAS		PDE		PD	PD														
PERKINS INDUSTRIES, INC.			PD		PD														

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LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																		
	EPOXY	PY	URIEA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	OSBBLL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
PERSTORP COMPOUNDS INC.			PDE	PDE															
PHILLIPS CHEMICAL COMPANY						DE	PDE	PDE					PDE						
PIONEER PLASTICS		PD	PD	PD	PD														
PLASLOK CORPORATION					PD														
PLASTICS ENGINEERING COMPANY					PDE														
POLYMER APPLICATION, INC.					PD														
POLYREZ COMPANY, INC.					PDE														
POLYSAR LIMITED												PD							
POLYSAR, INC.											PDE								
RAYMARK INDUSTRIES					PD														
REICHHOLD CHEMICALS, INC.	PDE	PDE	PDE	PDE	PDE							PD				DE			
ROGERS CORPORATION					PDE														
ROHM AND HAAS COMPANY													PDE			D		PDE	
SHAKESPEARE COMPANY														PD					
SHELL CHEMICAL COMPANY	PDE							PDE											
SHINTECH, INC.															PDE				
SILMAR DIV. OF SOHIO CHEM. CO.		PDE																	
SOLTEX POLYMER CORP.						PDE	PDE	PDE											
TEXSTYRENE PLASTICS											PD								

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																		
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	OSBBLL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
UNION CARBIDE CORPORATION	PDE				PDE	PDE	PDE									DE			
UNION CHEMICAL												PD				D		PD	
U.S. INDUSTRIAL CHEMICAL						PDE	PDE									D			
USS CHEMICAL		PDE						PDE											
VALCHEM DIV. OF UNITED MERCHANTS, INC.			PD																
VALITE DIVISION OF VALENTINE SUGARS, INC.					PD														
VANLEER CONTAINERS, INC.					PD														
VISTA POLYMERS															PDE				
WELLMAN, INC.														PDE					
TOTALS	6	18	14	13	26	12	14	11	4	4	14	8	9	12	11	12	2	7	8